

REMARKS

The claims have been amended to incorporate the language of claim 9, specifying that the best matching compounds are those for which the angle θ in the formula $\cosine \theta = (T_1C_1 + T_2C_2 + \dots T_nC_n) / (T_1^2 + T_2^2 + \dots T_n^2)^{1/2} (C_1^2 + C_2^2 \dots C_n^2)^{1/2}$ is less than about 20° . Claims 1 and 13 have also been amended to correct typographical errors. Claims 23-35 have been cancelled without prejudice. New claims 36-48 have been added to focus on the method embodiment where the control compounds are selected to have a common biological activity and the numerical values for the test compounds are evaluated relative to an ordered set of mean values representative of the control compounds. Dependent claims 37-46 correspond to original dependent claims 2-8 and 12-14.

Claims 1-22 stand rejected under 35 U.S.C. § 112, first paragraph. The present claims are directed to methods of screening compounds for probable biological activity using two or more membrane mimetic surfaces. The Examiner has found that the specification is enabling for the invention where the best matching compounds are those for whose ordered sets of numerical values meet the mathematical criteria of the formula for cosine θ , as defined in claims 9-11.

All of the existing claims have been amended to incorporate the language of claim 9, and all new claims likewise reference the cosine θ formula. Respectfully, all claims are enabled, and withdrawal of the rejection is respectfully requested.

CONCLUSION

The application, as amended, is believed to be in condition for allowance.
Withdrawal of the rejections and passage of the application to issuance is requested.

Respectfully submitted,



Jill T. Powlick
Registration No. 42,088
Attorney for Applicant

(317) 231-7504
Indianapolis, Indiana 46204

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